Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/20/2019 10:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124171	-1	2.76	124290	2.70
Blue	F	SSC	125000	124201	-1	1.68	125027	1.65
Blue	E	FITC	16433	16168	-2	3.01	353	20.19
Blue	D	PE	27595	27389	-1	2.26	598	14.94
Blue	B	PerCP-Cy5-5	43183	42409	-2	3.75	1143	19.92
Blue	A	PE-Cy7	31943	31730	-1	6.18	607	40.47
Red	C	APC	42819	42308	-2	2.36	1495	11.87
Red	A	APC-Cy7	31261	30262	-4	2.32	807	12.10
Violet	B	V450	6527	6320	-4	5.00	353	14.06
Violet	A	V500	24533	23285	-6	4.78	542	11.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17825	13.36	610	10	N/A	N/A	Pass
Blue	F	SSC	56485	1.34	553	5	N/A	N/A	Pass
Blue	E	FITC	66	60.65	540	1	0.0189	69	Pass
Blue	D	PE	125	50.02	537	3	0.1565	262	Pass
Blue	B	PerCP-Cy5-5	210	48.71	646	4	0.0095	55	Pass
Blue	A	PE-Cy7	112	96.86	695	6	0.0109	5	Pass
Red	C	APC	355	24.96	581	-2	0.0258	172	Pass
Red	A	APC-Cy7	178	28.86	560	-3	0.0053	863	Pass
Violet	B	V450	54	60.40	450	-5	0.0415	1684	Pass
Violet	A	V500	82	34.78	460	-7	0.0212	789	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.51	-31.65	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	15.58	13.60 - 20.40	N/A	N/A	28.93	29.75	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10117

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments